

# CEILING SYSTEMS

CI/SIB (35) Xy  
May 2008

[ Between us, ideas become reality.]



**Orcal Canopy**

Acoustic performance meets High Design

**Armstrong**

# Create, Accentuate, Define

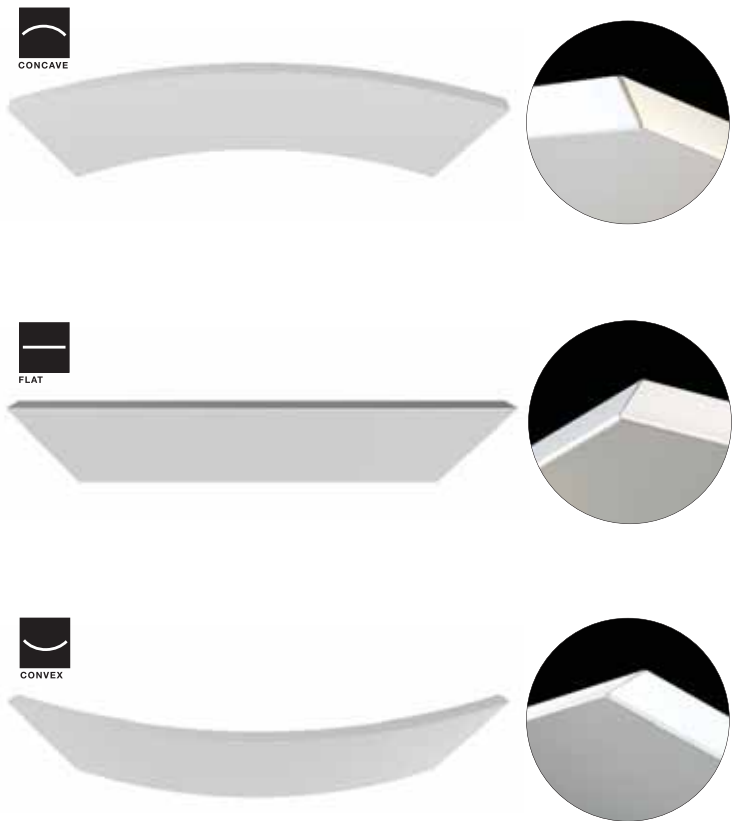
**ORCAL CANOPIES** are the latest addition to Armstrong's extensive range of discontinuous ceilings and canopies. The canopies come in three different designs (flat, concave and convex) and give the designer or specifier the ability to:

- Create spaces or areas within larger spaces or rooms, adding definition and local acoustic comfort (speech intelligibility) to an area or working zone.
- Provide a high level of design flexibility as the canopies come in three different designs and can be used independently or as groups and arrays.

The panels come as standard with a high durability paint finish making them easy to clean and maintain.

The canopies have an Extra Microperforation pattern that provides a clean monolithic visual with good acoustical and light reflectance performances.

The canopy is fully enclosed ensuring that if the reverse face is visible it fully compliments the design.



# Enhance Acoustics - Improve your Environment

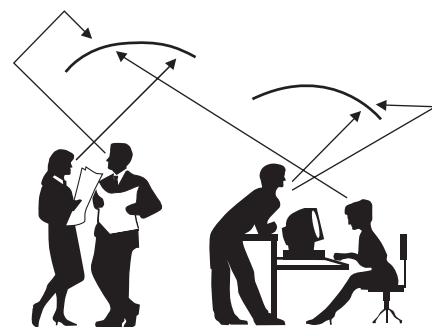
Good acoustics help improve the working environment. Orcal Canopy offers excellent sound absorption for both open spaces and individual working areas. Each canopy has a visible face area of approximately 2.23m<sup>2</sup> (1.89x1.18) and each canopy provides nearly 3 Sabines (2.76) of sound absorption at 1kHz which is equivalent to 1.24 Sabines per m<sup>2</sup>.

By providing sound absorption Orcal Canopies help to:

- Reduce reverberation time
- Reduce noise level
- Increase speech intelligibility

Panels also act as partial sound reflectors in a space.

In addition to the acoustical benefits to the environment, ORCAL CANOPIES allow designers to adopt energy efficient building designs, offer good light reflectance to minimise the need for artificial lighting and are easily recyclable at the end of their service life.





Orcal Concave Canopy ▲



▲ Orcal Flat Canopy

## Easy to install

ORCAL CANOPIES are easy to install:

- The hanging system is included in the Orcal Canopy kit.
- The suspension system is designed to make installation and height adjustments straightforward.

## KEY SELECTION ATTRIBUTES

- Canopies can be used to define spaces, accentuate an area, provide focus and create ceiling sculptures.
- Visual comfort due to high light reflectance (85%).
- Acoustical comfort thanks to a very good sound absorption.
- Acoustical comfort improves local speech intelligibility.
- For new or retrofit installation.
- Installation is fast and simple - no special tools are required.
- The hanging system is included in the Orcal Canopy kit.

## A COMPLETE RANGE OF CANOPIES



**Ultima Canopy**, Concave and Convex mineral curved panels.  
1905 x 1180 x 32 mm



**Infusions Canopy**, Concave and Convex resin curved panels.  
Full range of colours available.  
1525 x 610 or 1830 x 610 mm

More functional canopy designs, such as 'Orcal Lighting Canopies' will be available soon.

For more information on the Canopy range, please contact your Internal Technical Sales team.

## PHYSICAL DATA



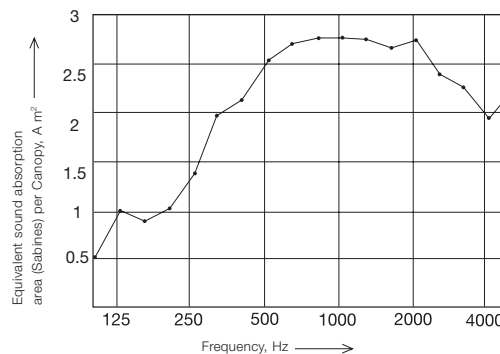
Item Number	BPCS600064	BPCS600065	BPCS600063
<b>Dimensions</b>	1890 x 1180 x 40 mm		
<b>Colour</b>	Standard : White (RAL9010)*		
<b>Edge detail</b>	Curved (concave/convex): edge detail width: 45° angle, edge detail length: 90° Flat : all edge details : 45° angle		
<b>Surface/finish</b>	Extra Microperforated with enclosed pad		

\*other RAL colours available on special request

<b>Sound absorption - Sabine/m<sup>2</sup></b>	1.24 (1 kHz)
<b>Scratch resistance</b>	Yes
<b>Humidity resistance</b>	90% RH
<b>Fire reaction</b>	B-s2,d0 (EN 13964:2004)
<b>Light reflectance</b>	85%
<b>Weight of the panel:</b>	Flat: 26.3 kg Curved (concave/convex) : 28.3 kg
<b>Recycled content</b>	≤40%

## ACOUSTICAL DATA

- Orcal Canopies have an Extra Microperforated finish and are fitted with a with a 20mm thick pad (25kg/m<sup>3</sup>) with one-sided fibreglass fleece.
- Each canopy has a visible face area of approximately 2.23m<sup>2</sup> (1.89x1.18) and each canopy provides nearly 3 Sabines (2.76) of sound absorption at 1kHz which is equivalent to 1.24 sabines per m<sup>2</sup>.



## RECOMMENDATIONS

- Orcal Canopies should always be installed in accordance with all applicable building codes and regulations.
- Orcal Canopies should only be installed on a horizontal plane. They are not approved for exterior installations.
- Do not allow excess cable to drop below the canopy when adjusting the panel to the required height. This could cause injury or panel edge damage.
- Orcal Canopy kits should always be installed by a minimum of 2 people.
- Read the installation instructions included in the carton carefully before starting the installation.

### United Kingdom

### Republic of Ireland

Armstrong World Industries Ltd.  
Building Products Division

Armstrong House  
38 Market Square  
Uxbridge UB8 1NG

0800 371849 (UK) **FREEPHONE**

1800 409002 (ROI)

Fax: +44 (0) 1895 274287

www.armstrong-ceilings.co.uk  
sales-support@armstrong.com

Please visit [www.armstrong-europe.com](http://www.armstrong-europe.com) for other countries.

### Advisory note

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